

I. AMENDMENTS

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1-5. (Canceled)

Claim 6. (Currently amended) ~~The device of Claim 1~~ A device for introducing or withdrawing a biologically active agent through a body surface, comprising:

a member having a body-surface-proximal side and a body-surface-distal side;

said member further having a first surface on said body-surface-proximal side of said member, a second surface on said body-surface-distal side of said member and a plurality of protrusions capable of piercing said body surface; said protrusions extending from the first surface; and

a connecting medium disposed on at least a portion of said first surface of said member, said connecting medium being capable of storing said biologically active agent therein or passing said biologically active agent therethrough when said plurality of protrusions have pierced the body surface and said connecting medium is placed in contact with said body surface, wherein the connecting medium is in the range of about 10 micrometers to about 100 micrometers thick.

Claim 7. (Currently amended) ~~The device of Claim 1~~ A device for introducing or withdrawing a biologically active agent through a body surface, comprising:

a member having a body-surface-proximal side and a body-surface-distal side;

said member further having a first surface on said body-surface-proximal side of said member, a second surface on said body-surface-distal side of said member and a plurality of protrusions capable of piercing said body surface; said protrusions extending from the first surface; and

a connecting medium disposed on at least a portion of said first surface of said member, said connecting medium being capable of storing said biologically active agent therein or passing said biologically active agent therethrough when said plurality of protrusions have pierced the body surface and said connecting medium is placed in contact with said body surface, wherein the connecting medium is about 50 micrometers thick.

Claims 8-11. (Canceled)

Claim 12. (Currently amended) ~~The device of Claim 1~~ A device for introducing or withdrawing a biologically active agent through a body surface, comprising:

a member having a body-surface-proximal side and a body-surface-distal side;

said member further having a first surface on said body-surface-proximal side of said member, a second surface on said body-surface-distal side of said member and a plurality of protrusions capable of piercing said body surface; said protrusions extending from the first surface; and

a connecting medium disposed on at least a portion of said first surface of said member, said connecting medium being capable of storing said biologically active agent therein or passing said biologically active agent therethrough when said plurality of protrusions have pierced the body surface and said connecting medium is placed in contact with said body surface, wherein the protrusions comprise blades.

Claim 13. (Original) The device of Claim 12 wherein at least one of the plurality of blades comprises means for anchoring the device to the body surface.

Claims 14-15. (Canceled)

Claim 16. (Currently amended) ~~The device of Claim 1~~ A device for introducing or withdrawing a biologically active agent through a body surface, comprising:

a member having a body-surface-proximal side and a body-surface-distal side;

said member further having a first surface on said body-surface-proximal side of said member, a second surface on said body-surface-distal side of said member and a plurality of protrusions capable of piercing said body surface; said protrusions extending from the first surface; and

a connecting medium disposed on at least a portion of said first surface of said member, said connecting medium being capable of storing said biologically active agent therein or passing said biologically active agent therethrough when said plurality of protrusions have pierced the body surface and said connecting medium is placed in contact with said body surface,

further comprising a sampling device connected to the second surface of the member, the sampling device selected from the group consisting of a reverse electrotransport device, a passive device, and an osmotic device.

Claim 17. (Previously presented) The device of Claim 16 wherein the sampling device is capable of sampling agents selected from the group consisting of body electrolytes, illicit drugs and glucose.

Claims 18-22. (Canceled)

Claim 23. (Previously presented) A method for introducing an agent through a body surface, comprising the steps of:

providing a member having a body surface proximal side, a body surface distal side, a first surface on the body surface proximal side of the member and a second-surface distal side of the member; said member having a plurality of protrusions extending from the first surface and extending towards the body surface and a connecting medium disposed on at least a portion of the first surface;

introducing the agent in the connecting medium;

piercing the body surface with the plurality of protrusions extending from the first surface of the member;

contacting the body surface with the connecting medium; and

passing the agent through the body surface.

Claim 24. (Original) The method of Claim 23 wherein the passing step comprises: administering the agent by a method selected from the group consisting of electrotransport, passive delivery, osmosis, and pressure.

Claim 25. (Previously presented) The method of Claim 26 wherein the withdrawing step comprises: withdrawing the agent by a method selected from the group consisting of reverse electrotransport, passive sampling, and osmosis.

Claim 26. (Previously presented) A method for withdrawing an agent through a body surface, comprising the steps of:

piercing the body surface with a plurality of protrusions extending from a body surface proximal side of a member having a connecting medium capable of passing the agent therethrough, the connecting medium disposed on at least a portion of the body surface proximal side;

contacting the body surface with the connecting medium; and

withdrawing the agent through the body surface.

Claim 27. (Previously presented) A device for introducing or withdrawing an agent through a body surface, comprising:

a member having a body surface proximal side, a body surface distal side and a plurality of protrusions extending from said body surface proximal side;

a connecting medium capable of storing the agent therein or passing the agent therethrough on at least a portion of the body surface proximal side of the member; and

a sampling device connected to the body surface distal side, the sampling device selected from the group consisting of a reverse osmosis device, an electrotransport device, a passive device and an osmotic device.

Claims 28-29. (Canceled)

Claim 30. (Previously presented) A device for introducing or withdrawing an agent through a body surface, comprising:

a member having a body surface proximal side, a body surface distal side and a plurality of protrusions extending from said body surface proximal side; said member further having at least one hole through the member,

a connecting medium capable of storing the agent therein or passing the agent therethrough on at least a portion of the body surface proximal side of the member; and

a sampling device connected to the body surface distal side, the sampling device selected from the group consisting of a reverse osmosis device, an electrotransport device, a passive device and an osmotic device.